

Summary of integrative structure determination of Integrative structure of the coREST corepressor complex (PDB ID: 9A8P | pdb_00009a8p, PDB-Dev ID: PDBDEV_00000389)

1. Model Composition	
1.1. Entry composition	- REST corepressor 1: chain(s) A (485 residues) - Lysine-specific histone demethylase 1A: chain(s) B (852 residues) - Histone deacetylase 1: chain(s) C (482 residues)
1.2. Datasets used for modeling	- Experimental model, PDB: pdb_00004bkx - Comparative model, Zenodo: 10.5281/zenodo.11056108 - Experimental model, PDB: pdb_00002v1d - Crosslinking-MS data, Zenodo: 10.5281/zenodo.11056108 - 3DEM volume, Zenodo: 10.5281/zenodo.11056108
2. Representation	
2.1. Number of representations	1
2.2. Scale	Multiscale: Coarse-grained: 1 - 30 residue(s) per bead
2.3. Number of rigid and flexible segments	4, 7
3. Restraints	
3.1. Physical principles	Information about physical principles was not provided
3.2. Experimental data	- 1 unique CrossLinkRestraint: DSSO, 11 crosslinks - 1 unique EM3DRestraint: other
4. Validation	
4.2. Number of ensembles	1
4.3. Number of models in ensembles	11144
4.4. Number of deposited models	1
4.5. Model precision	34.00, Å
4.6. Data quality	Data quality has not been assessed
4.7. Model quality: assessment of excluded volume	Satisfaction: 99.62%
4.8. Fit to data used for modeling	Satisfaction of crosslinks: 63.64%
4.9. Fit to data used for validation	Fit of model to information not used to compute it has not been determined
5. Methodology and Software	
1. 5.1. Method name	Sampling

<i>5.2. Method type</i>	Replica exchange monte carlo
<i>5.4. Number of computed models</i>	3600000
<i>5.5. Software</i>	- IMP PMI module (version 2.16.0) - Integrative Modeling Platform (IMP) (version 2.16.0) - MODELLER (version 10.3)